

## A. METERING DEVICE

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
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**Cited documents:**

 EP0545560

 WO9010198

 US4821515

### Abstract of WO0075611

A metering device contains a rotor which defines elongate chamber, there being a shuttle contained within the chamber movable between two terminal end positions. Frusto conical surfaces defined on the rotor co-operate with annular members defining correspondings seats. One passage extends from one end of the chamber to one frusto conical surface, and another passage extends from the other end of the chamber to the other frusto conical surface. Each annual element defines a respective inlet and outlet for fluid and a shuttle is present within the chamber. As the rotor rotates, the shuttle effects a shuttling movement thus measuring dispensed volumes of fluid. A sensor is provided to detect physical contact of the shuttle with the end of the chamber to cause the rotor to advance.

